

What is claimed is:

1. An image processing apparatus for executing a job by using a job parameter set including a combination of values of various setup items which define an operation condition of the job as a work unit, the image processing apparatus comprising:

a job parameter memory for memorizing a plurality of job parameter sets, each of the plurality of job parameter sets being associated with a page size of an input image of a job which has been previously executed;

a page size acquiring device for acquiring a present page size of an input image of a present job to be executed; and

a job parameter election device for electing a candidate for a job parameter set for the present job by retrieving the present page size among the plurality of job parameter sets memorized in the parameter memory.

2. The image processing apparatus of claim 1, wherein the page size acquiring device comprises an original size detector for detecting a size of an original set on an

original platen glass, said size of the original being acquired as the present page size of an input image.

3. The image processing apparatus of claim 1, further comprising an execution history registration device for registering, for each job parameter set, an execution history of a job executed by using the each job parameter set,

wherein the job parameter election device elects the candidate based on the present page size acquired by the page size acquiring device and on the execution history of a job.

4. The image processing apparatus of claim 3, wherein the execution history registration device counts an execution number of times, and a result of counting is registered as the execution history.

5. The image processing apparatus of claim 3, wherein the execution history registration device registers a job execution date as the execution history.

6. The image processing apparatus of claim 1, further comprising:

a job parameter display for presenting to a user the candidate for a job parameter set elected by the job parameter election device; and

an answer receiving device for asking the user whether the candidate for a job parameter set presented by the job parameter display should be adopted or not,

wherein the job parameter election device elects a single candidate for the job parameter set, and the job parameter display presents to the user details of set values contained in the single candidate for the job parameter set.

7. The image processing apparatus of claim 1, further comprising:

a list display for showing a list of candidates for a job parameter set, the candidates for a job parameter set being elected by the job parameter election device; and

a selection receiving device for receiving a selection by the user of the job parameter set to be employed for the present job to be executed, out of the candidates shown by the list display.

8. The image processing apparatus of claim 7, further comprises a sorting device for arranging the candidates

elected by the job parameter election device, according to a prescribed standard, wherein the list display shows the list of the candidates for a job parameter set according to an order arranged by the sorting device.

9. The image processing apparatus of claim 8, wherein the prescribed standard for arranging the candidates is capable to be changed.

10. The image processing apparatus of claim 7, wherein the list display displays any one of the following items for each job parameter set: a job parameter set name assigned to a job parameter set; a total execution number of times for the job executed by using the job parameter set; and a date of previous execution of the job executed by using the job parameter set.

11. The image processing apparatus of claim 1, wherein the job parameter set is administered for each user, and the job parameter election device elects the candidate for a job parameter set from job parameter sets associated with the user going to input the present job.

12. The image processing apparatus of claim 11, wherein authentication of the user going to input the present job is carried out by any one of a key card, key counter, coin vendor, password input device, ID number input device, fingerprint authentication, and voice recognition.

13. The image processing apparatus of claim 1, wherein jobs to be executed by the image processing apparatus are classified into plural types of function modes based on respective functions, and the job parameter set is administered for each of the plural types of function modes, wherein the job parameter election device elects the candidate from the job parameter sets corresponding to the function mode of the present job to be executed.

14. The image processing apparatus of claim 1, further comprising:

- a machine default memory for storing a machine default value of the job parameter set; and

- a normal setting image screen display for displaying a normal setting image screen to be used for changing the set value for each setup item,

wherein when a candidate of a job parameter set to be used for a job inputted this time, which is selected by the job parameter election device, is rejected by a user, the normal setting image screen display displays the normal setting image screen, where the machine default value is displayed as the default value of each setup item.

15. The image processing apparatus of claim 1, further comprising:

a parameter determination device for determining whether or not the job can be executed according to the job parameter set to be used for the present job inputted this time; and

an alarm device for notifying a decision of the parameter determination device to a user and prompting the user to change a set value that has caused impossible execution of the job, when the parameter determination device has determined impossible execution of the job.

16. The image processing apparatus of claim 15, wherein when the impossible execution is due to the lack of recording paper of a specified size, the alarm device notifies to that

effect, and prompts the user to change the size of recording paper or to supply paper.

17. The image processing apparatus of claim 1, further comprising:

a parameter determination device for determining whether or not the job can be executed according to the job parameter set to be used for the present job inputted this time;

an outputting site changing device for checking whether or not there is any ejection tray capable of correct ejecting, and changing an ejecting destination to an ejection tray capable of correct ejecting if there is any, when the parameter determination device has determined that the job cannot be executed and this impossible execution of the job is due to incapable ejection to the specified ejection tray; and

a change notification device for notifying the change of the ejecting destination to the user, when the ejecting destination has been changed by the outputting site changing device.

18. The image processing apparatus of claim 1, further comprising a page size likeness table where a similar page size is associated and registered for each page size,

wherein if the job parameter memory does not contain the job parameter set corresponding to the page size acquired by the page size acquiring device, the job parameter election device acquires the page size similar to the page size from the page size likeness table, and elects a candidate for the job parameter set based on this similar page size.

19. The image processing apparatus of claim 1, further comprising:

a parameter determination device for determining whether or not the job can be executed according to the job parameter set to be used for the job inputted this time; and

an alternative value estimation device , wherein when the parameter determination device has determined that execution is impossible, the alternative value estimation device elects the job parameter set according to which the job can be executed, said job parameter set having the same set value other than the set value of the setup item having caused impossible-execution as that of the job parameter set having been determined as impossible execution, and the



alternative value estimation device picks up the set value of the same setup item as that having caused impossible execution from this job parameter set, and presents it to the user as an alternative value of the setup item.

20. The image processing apparatus of claim 1, wherein if the job parameter set to be used for the present job inputted this time is new, the job parameter set is additionally stored into the job parameter memory.

21. The image processing apparatus of claim 1, further comprises a job parameter delete device for deleting the job parameter set stored in the job parameter memory.

22. The image processing apparatus of claim 1, further comprises a job parameter correction device for editing and correcting the job parameter set stored in the job parameter memory.

23. The image processing apparatus of claim 22, wherein the job parameter delete device has the function of correcting the contents of the job parameter set elected by the job parameter election device based on a user's instruction.

24. The image processing apparatus of claim 1, further comprises a job parameter copy device for forming a copy of the job parameter set stored in the job parameter memory.

25. The image processing apparatus of claim 24, wherein the job parameter copy device is capable of forming a copy of a job parameter set as any one of the machine default value, the job parameter set of another user, and as the job parameter set of the same user as the user of an original job parameter set.

26. The image processing apparatus of claim 24, wherein when the job parameter copy device forms a copy as a job parameter set of the same user as the user of an original job parameter set, the job parameter set name different from the original job parameter set name is assigned to the copy.

27. The image processing apparatus of claim 1, further comprises a destination confirmation device for confirming with a user to determine whether or not the destination denoted by destination information is adopted, when this destination information for specifying the output destination

is registered in a form associated with the job parameter set to be used for the present job inputted this time.

28. The image processing apparatus of claim 1, wherein when the setup item of the present job inputted this time incorporates the destination information for specifying an output destination, the default value of the setup item related to this destination information is set in such a way that destination is not yet specified.

29. The image processing apparatus of claim 1, wherein when an operation has been made to confirm the job parameter set to be used for the present job inputted this time, a job execution operation starts without waiting for a separate operation of specifying a start of job execution.

30. The image processing apparatus of claim 1, wherein after the job parameter set to be used for the present job is selected, when the job execution start specifying operation has been made prior to a confirmation operation to confirm the job parameter set, the job execution starts by using the selected job parameter set.

31. The image processing apparatus of claim 1 being configured to be capable of executing at least one of a copy job of optically reading an original and forming the corresponding image on a recording paper, a scan job of optically reading an original and outputting the corresponding image data, a facsimile transmission / reception job, and a print job of forming an image on recording paper according to the print data to be inputted.

32. An image processing system for executing a job by using a job parameter set including a combination of values of various setup items which define an operation condition of the job as a work unit, the image processing system is configured to:

memorize a plurality of job parameter sets, each of the plurality of job parameter sets being associated with a page size of an input image of a job having been executed;

acquire a present page size of an input image of a present job to be executed; and

elect a candidate for a job parameter set for the present job by retrieving the present page size among the plurality of job parameter sets memorized.

33. The image processing system of claim 32, further configured to detect a size of an original set on an original platen glass, said size of the original being acquired as the present page size of an input image of the present job.

34. The image processing system of claim 33, further configured to:

register an execution history of a job executed by using each job parameter set, for each of the job parameter set; and

elect the candidate based on the present page size acquired and on the execution history of a job.